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# DEMOGRAPHICS

## **Population**

Trends

Age

Race/Ethnicity

Projection

## **Education**

Attainment

## **Employment**

Major Employment Sectors

Unemployment

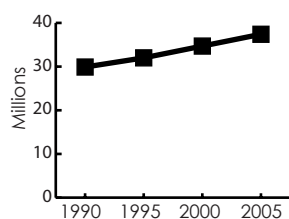
# Modoc County Demographics

2

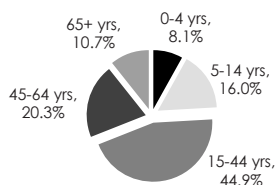


## California

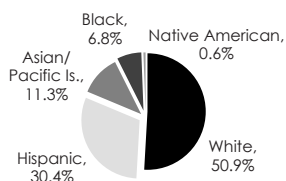
### Population Trends



### Age 1999

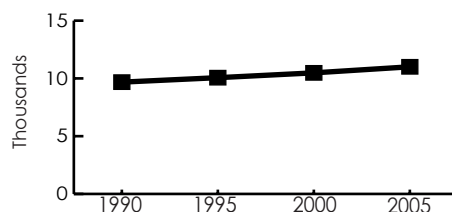


### Race/Ethnicity 1999



## POPULATION

### County Trends

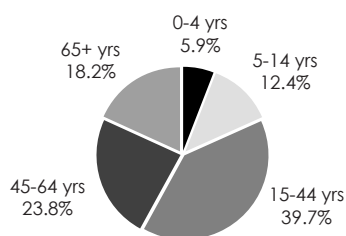


### Total

1990	9,678
1995	10,064
2000	10,481
2005	11,005

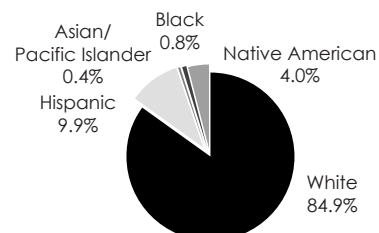
	1995	1996	1997	1998	1999
Births +	122	114	98	107	68
Deaths -	97	113	117	120	101
Emigration/Immigration	-61	+123	+171	+93	+130
<b>Total Change</b>	<b>-36</b>	<b>124</b>	<b>152</b>	<b>80</b>	<b>97</b>

### Age 1999



Age	Number
0-4 yrs	617
5-14 yrs	1,286
15-44 yrs	4,124
45-64 yrs	2,467
65+ yrs	1,890
<b>Total</b>	<b>10,384</b>

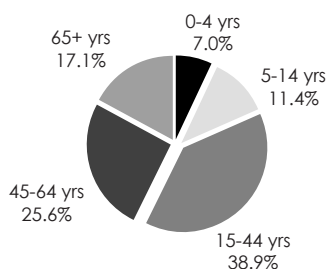
### Race/Ethnicity 1999



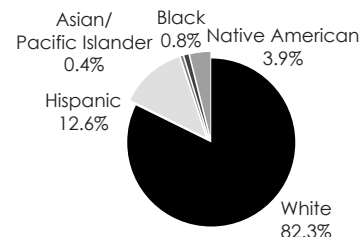
Race	Number
White	8,814
Hispanic	1,031
Asian/Pacific Is.	41
Black	85
Native American	413
<b>Total</b>	<b>10,384</b>

### Projection 2005

#### Age

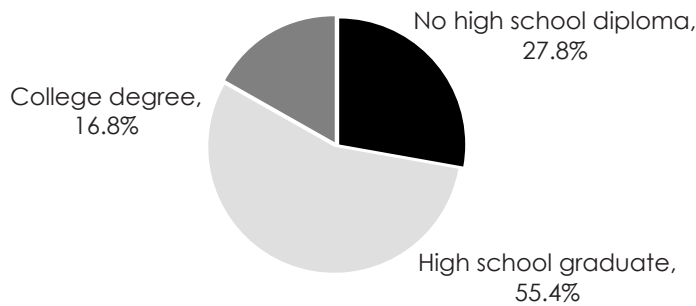


#### Race/Ethnicity



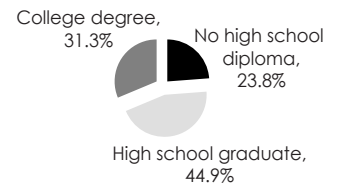
## Education

### Educational Attainment (based on 1990 census)



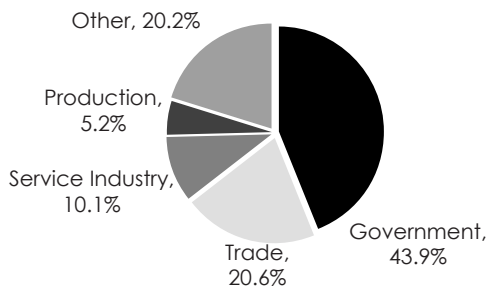
## California

### Educational Attainment (based on 1990 Census)



## Employment Sectors

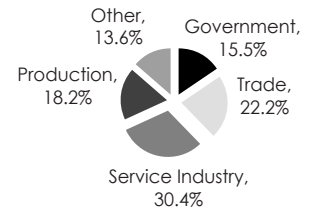
### Major Employment Sectors



### Major Employment Sectors (1999) Number

Sector	Number
Government	1,260
Trade	590
Service Industry	290
Production	150
Other	580
<b>Total</b>	<b>2,870</b>

### Employment Sectors 1999

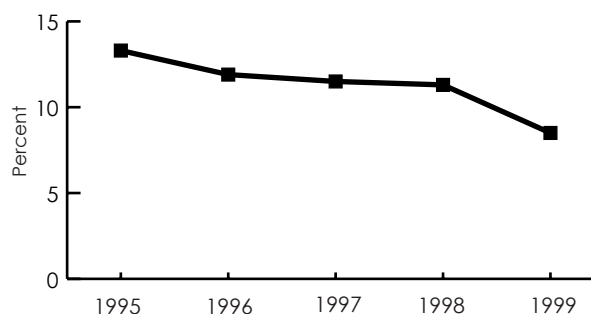


## Unemployment

### Employment Statistics

	Labor Force	Unemployment Rate
1995	4,260	13.3%
1996	4,160	11.9%
1997	3,930	11.5%
1998	3,990	11.3%
1999	4,020	8.5%

### Unemployment Rate

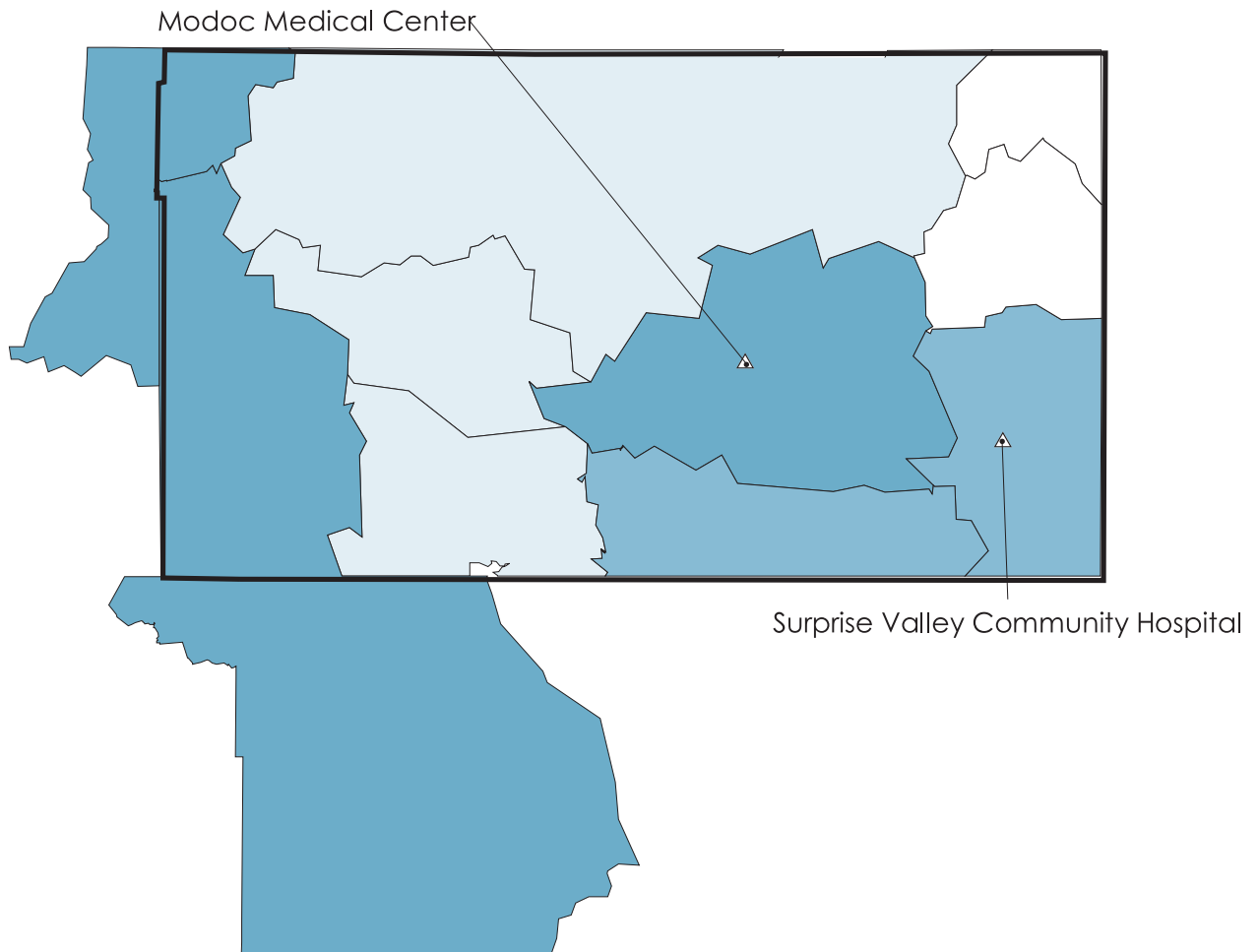


### Unemployment Rate



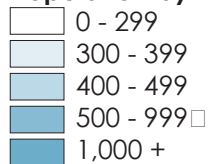
# Modoc County Population & Healthcare Resources

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— Modoc County Line

Population by ZIP Code



Hospital Sites/ER Level

△ Standby



# HEALTH CARE RESOURCES

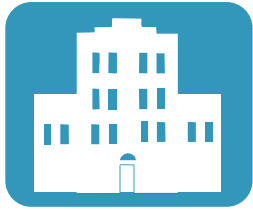
**General Acute Care Hospitals**

**Long-term Care Facilities**

**Clinics**

**Home Health Agencies**

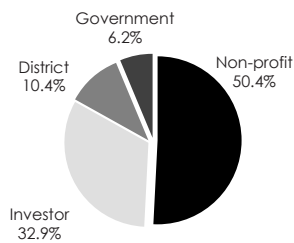
**Hospices**



## FINANCIAL & UTILIZATION INFORMATION GENERAL ACUTE CARE HOSPITALS 1999

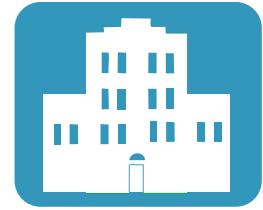
There are two small & rural hospitals in Modoc County. One is a government hospital and the other is district owned. Both hospitals provide standby emergency services.

**California  
Type of Control,  
1999**



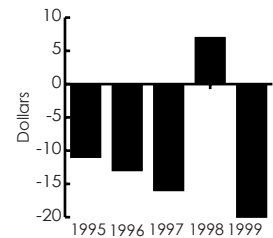


## FINANCIAL & UTILIZATION INFORMATION GENERAL ACUTE CARE HOSPITALS 1999

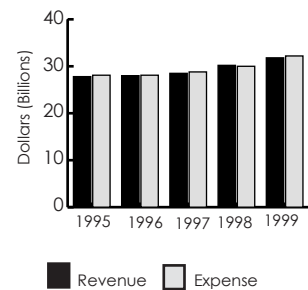


### California

**Net Income from Operations  
Comparable Hospitals**



**Operating Revenue/Expense  
Comparable Hospitals**



Modoc Medical Center	Surprise Valley Community Hospital	
\$8,843,882	\$2,583,704	<b>Income Statement</b>
2,690,843	199,975	Gross Patient Revenue
6,144,039	2,383,729	- Deductions from Revenue
26,252	60,307	Net Patient Revenue
6,170,291	2,444,036	+ Other Operating Revenue
6,458,808	2,774,596	Total Operating Revenue
(288,517)	(330,560)	-Operating Expenses
21,617	155,678	Net from Operations
0	0	+Non-operating Revenue
0	0	-Non-operating Expenses
0	0	-Income Taxes
0	0	-Extraordinary Items
<b>(\$266,900)</b>	<b>(\$174,882)</b>	<b>Net Income</b>
\$235	\$213	<b>Per Adjusted Day</b>
72	17	Gross Patient Revenue
163	197	-Deductions from Revenue
1	5	Net Patient Revenue
164	202	+Other Operating Revenue
172	229	Total Operating Revenue
(8)	(27)	-Operating Expenses
1	13	Net from Operations
0	0	+Non-operating Revenue
0	0	-Non-operating Expenses
0	0	-Income Taxes
0	0	-Extraordinary Items
<b>(\$7)</b>	<b>(\$14)</b>	<b>Net Income</b>
Government	District	<b>Resource Utilization</b>
87	26	Ownership
19,367	8,151	Available Beds
369	116	Patient Days
61.0%	85.9%	Discharges
24,122	8,515	Occupancy Rate
2.0	2.7	Outpatient Visits
Standby	Standby	Average Length of Stay
1	1	Emergency Service
Small/Rural	Small/Rural	# of ER Stations
		Specialty/Teaching/Rural

#### Footnotes:

Per Adjusted Day: This statistic adjusts the number of patient days to compensate for outpatient services.

The financial data on this page reflect disproportionate share payments transferred to a related public entity.

\*Excludes data from State, Kaiser, PHF, Shriner, and other non-comparable hospitals.

Note that columns may not add to subtotals due to rounding.

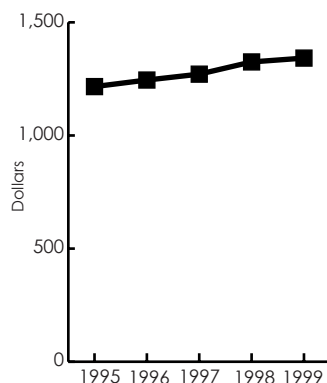
## Modoc County

## 8 Healthcare Resources

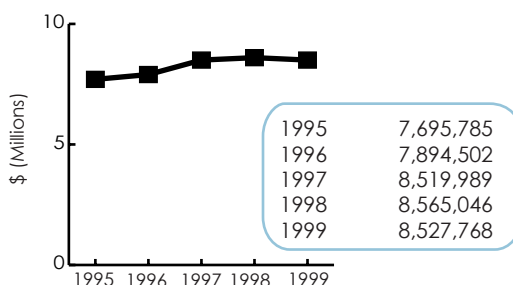
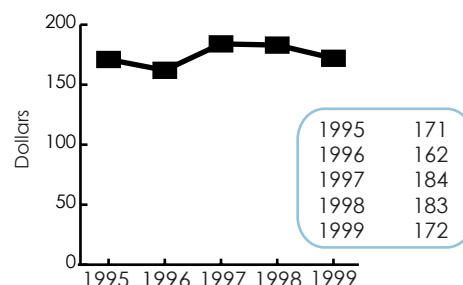
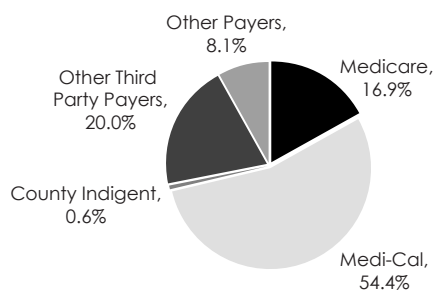
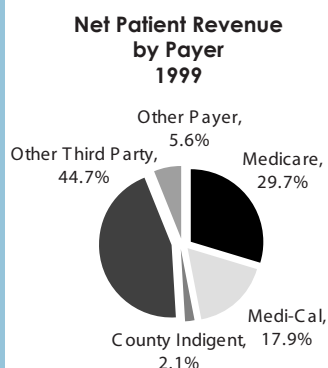
## ACUTE CARE HOSPITALS

## California

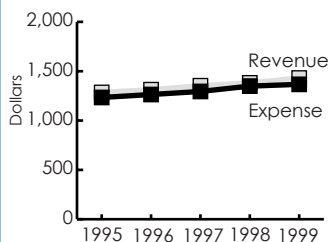
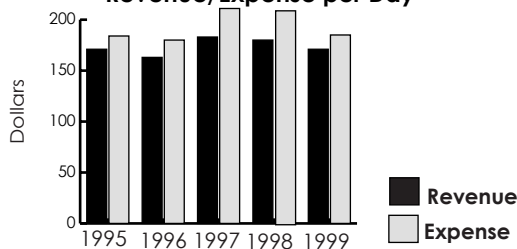
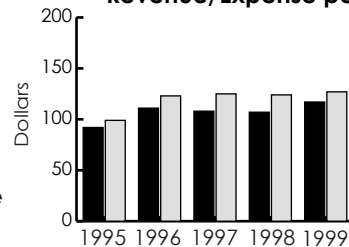
## Net Patient Revenue

Net Patient Revenue  
per Adjusted Day

Net Patient Revenue

Net Patient Revenue  
per Adjusted DayNet Patient Revenue by Payer  
1999

## Net Patient Revenue/Expense

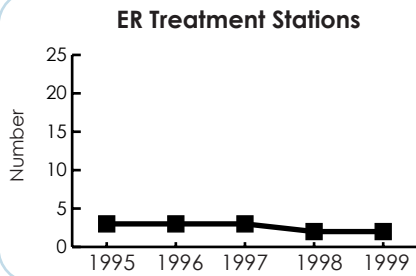
Net Inpatient  
Revenue/Expense  
per DayNet Inpatient  
Revenue/Expense per DayNet Outpatient  
Revenue/Expense per Visit

	Net Inpatient Revenue per Day	Net Inpatient Expense per Day	Net Outpatient Revenue per Visit	Net Outpatient Expense per Visit
1995	\$171	\$184	\$92	\$99
1996	163	180	111	123
1997	183	211	108	125
1998	180	210	107	124
1999	171	185	117	127

## Emergency Room Services

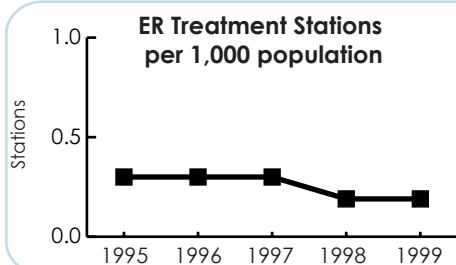


### California

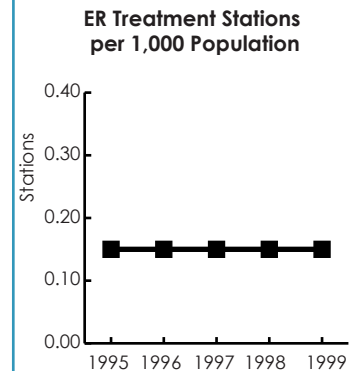


#### Hospitals with Emergency Services by Type, 1999:

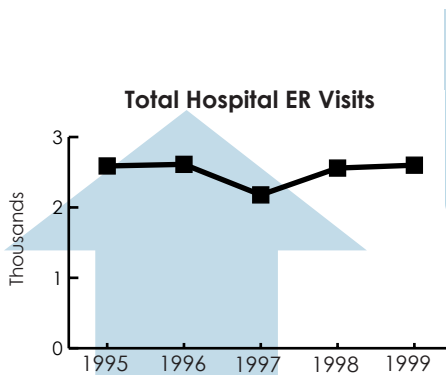
Comprehensive:	0
Basic:	0
Standby:	2
Trauma:	0



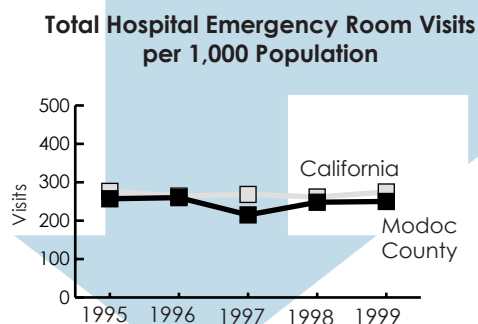
	ER Treatment Stations	ER Treatment Stations per 1,000 Pop.
1995	3	0.30
1996	3	0.30
1997	3	0.30
1998	2	0.19
1999	2	0.19



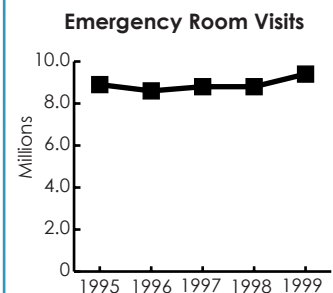
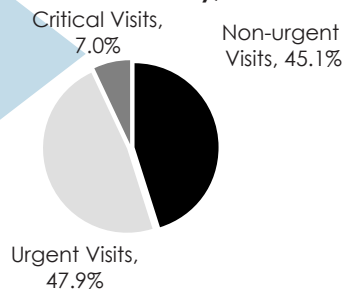
## Emergency Room Visits



	ER Visits	ER Visits per 1,000 Pop.	% of ER Visits Resulting in Admit
1995	2,589	257	4.8
1996	2,612	260	5.4
1997	2,178	215	8.6
1998	2,559	248	6.5
1999	2,600	250	4.5



#### ER Visits, Modoc County, 1999



Graphs include data from comparable GAC hospitals plus Kaiser.  
Source: California Department of Finance, OSHPD Hospital Utilization database.

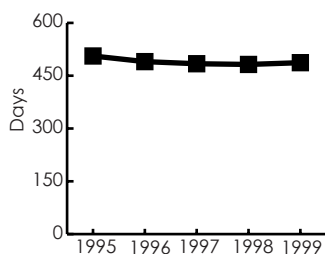
Edition 2, 2001

# Modoc County Specific Trends

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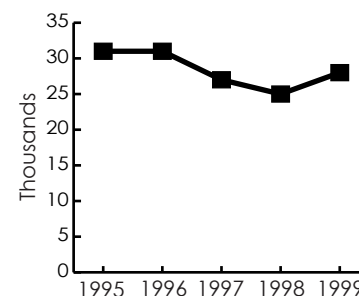
## California

**Patient Days  
per 1,000 Population**

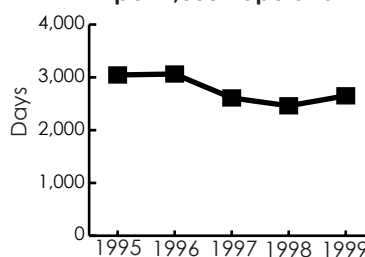


	Days	per 1,000 pop.
1995	30,647	3,045
1996	30,714	3,063
1997	26,501	2,610
1998	25,360	2,461
1999	27,518	2,650

**Patient Days**

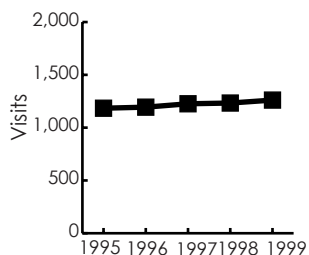


**Patient Days  
per 1,000 Population**



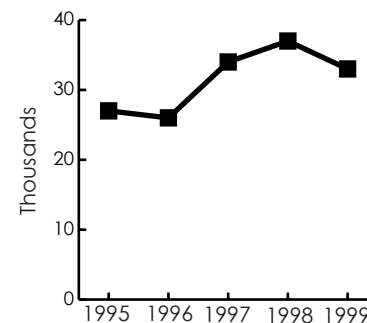
## Outpatient Visits

**Outpatient Visits  
per 1,000 Population**

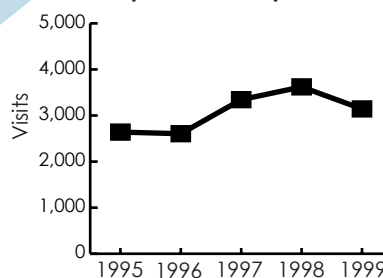


	Outpatient Visits	per 1,000 pop.
1995	26,572	2,640
1996	26,124	2,605
1997	33,951	3,344
1998	37,306	3,621
1999	32,637	3,143

**Outpatient Visits**



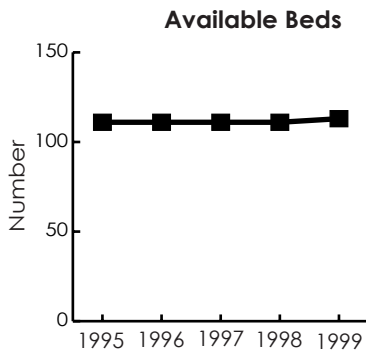
**Outpatient Visits  
per 1,000 Population**



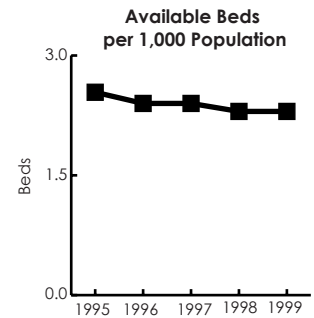
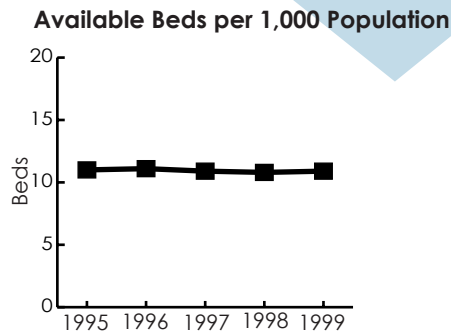
Graphs include data from comparable GAC hospitals plus Kaiser.  
Source: OSHPD Annual Hospital Financial Disclosure Reports.

## Available Beds

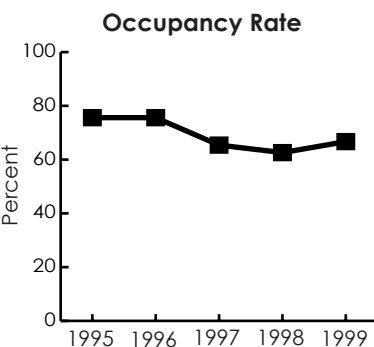
## California



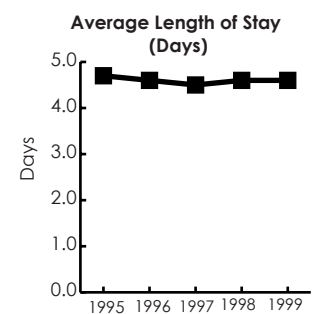
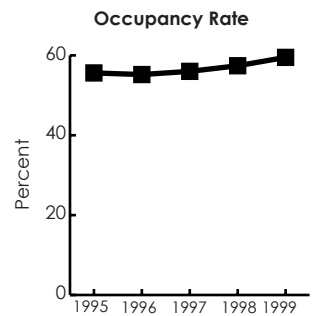
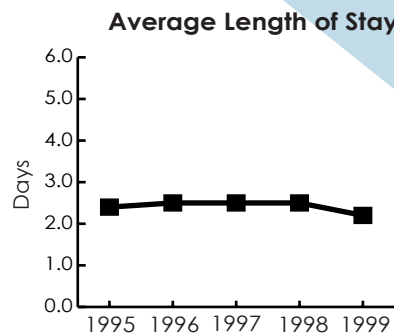
	Beds	per 1,000 pop.
1995	111	11.0
1996	111	11.1
1997	111	10.9
1998	111	10.8
1999	113	10.9



## Occupancy Rate



	Rate	Days
1995	75.6	2.4
1996	75.6	2.5
1997	65.4	2.5
1998	62.6	2.5
1999	66.7	2.2





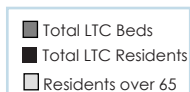
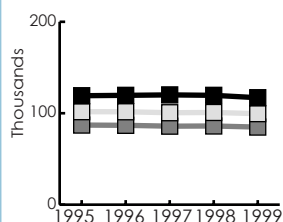
## California

# LONG-TERM CARE FACILITIES

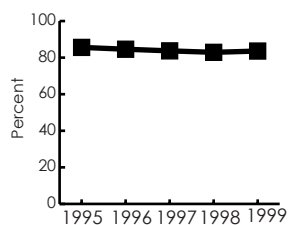
## County Trends

There are no long-term care services in Modoc County.

### Trends



### Occupancy Rate



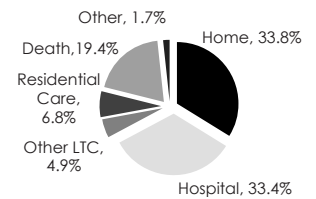
## Residents 1999

There are no long-term care services in Modoc County.



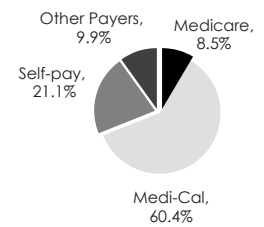
## California

### Discharged To 1999



## Financial Information

### California Payers, 1999



# Modoc County Healthcare Resources

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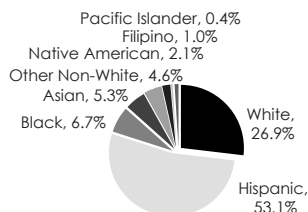
## Community clinics:

- tax-exempt nonprofit organizations
- charges are based on patients' ability to pay

## Free clinics:

- community clinics, where patients are not charged for services or medicines.

## California Clinic Patients Race/Ethnicity 1999

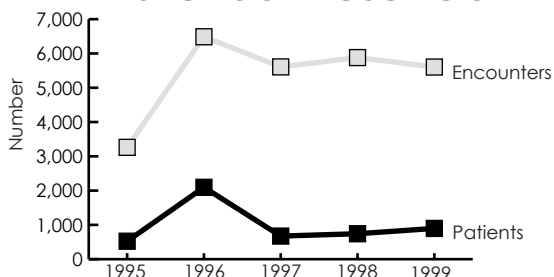


The Poverty Guidelines are issued by the Federal Department of Health and Human Services to estimate the number of persons/families in poverty for determining financial eligibility for Federal programs.

## PRIMARY CARE CLINICS

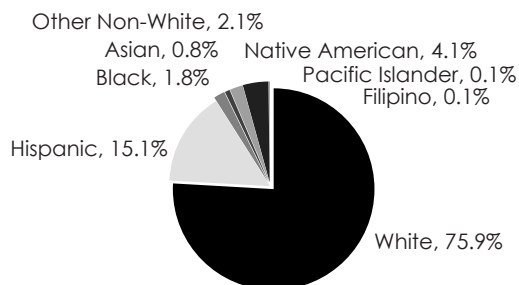
### County Trends

#### Patients & Encounters

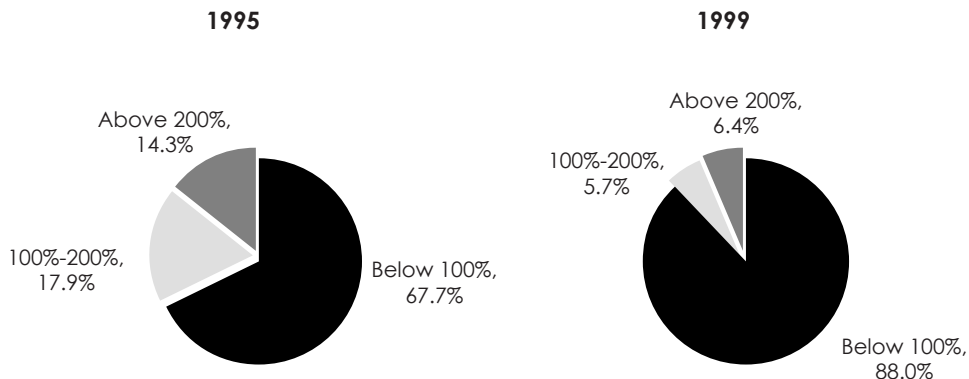


	1995	1996	1997	1998	1999
Patients	524	2,096	674	742	897
Encounters	3,262	6,487	5,608	5,880	5,604
# Community	1	1	1	1	1
# Free	0	0	0	0	0

### Race/Ethnicity 1999



### Economic Status (Based on Federal Poverty Levels)

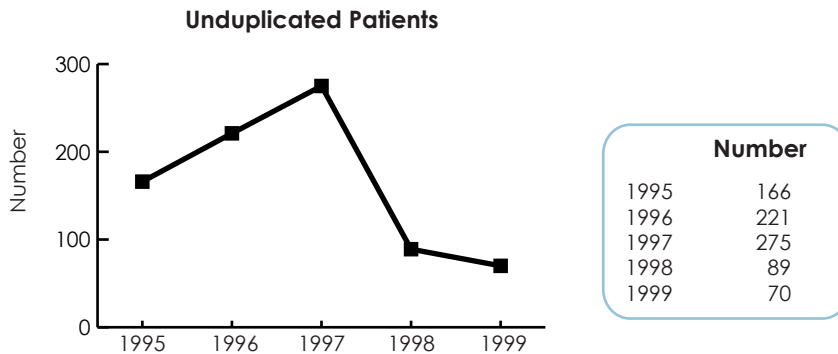


Source: OSHPD Primary Care Clinic Utilization database.



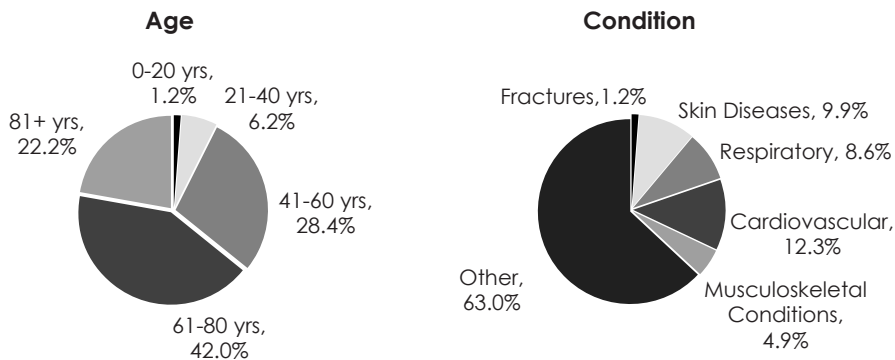
## HOME HEALTH AGENCIES

### County Trends



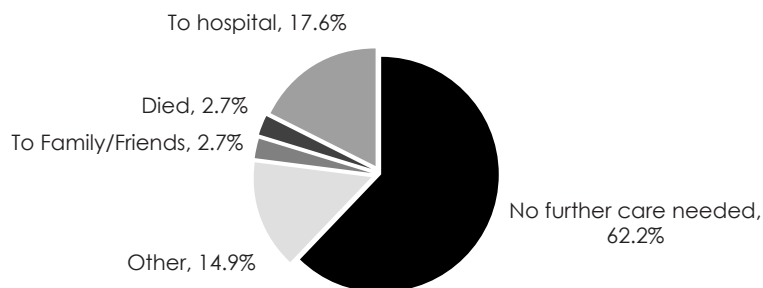
*Unduplicated patient:* may have been seen more than once but is counted only once as a patient.

### Patients 1999



- Over 64% of patients in home health agency care are over the age of 60.

### Discharged To 1999





**Hospice:** palliative care to support a patient in the last phases of life due to the existence of a terminal disease.

- Over 90% of hospice patients are over the age of 60.

## HOSPICES

### County Trends

There are no hospice services in Modoc County.

### Patients 1999

### Conditions Requiring Hospice Care 1999



# HOSPITALIZATION CHARACTERISTICS

## **Inpatient Overview**

Trends

Demographics

Admits/Dispositions

## **Clinical Overview**

Types of Hospitalizations/Diagnosis

Types of Principal Procedures

Injuries/Types/Types by Age Group

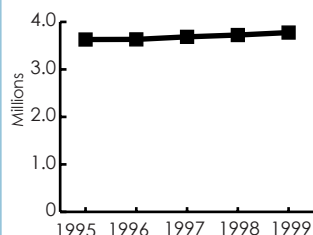
# Modoc County Hospitalization Characteristics

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## California

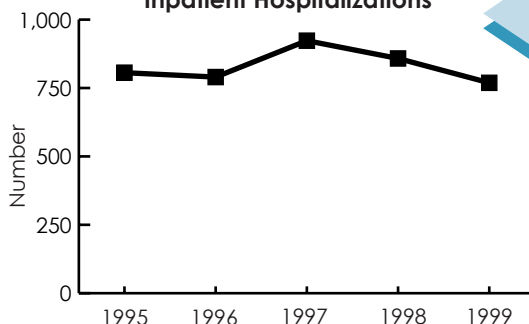
### Hospitalizations Trends



## INPATIENT OVERVIEW

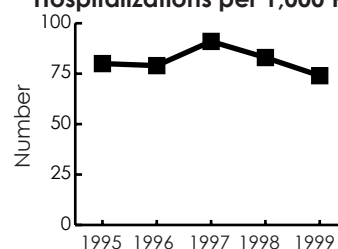
### County Trends

#### Inpatient Hospitalizations



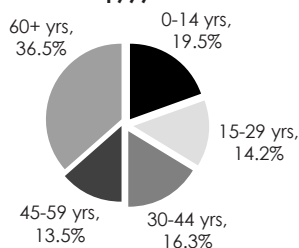
	Inpatients	per 1,000
1995	806	80
1996	790	79
1997	923	91
1998	858	83
1999	769	74

#### Hospitalizations per 1,000 Residents

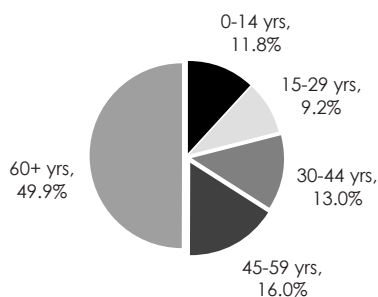


### Patients 1999

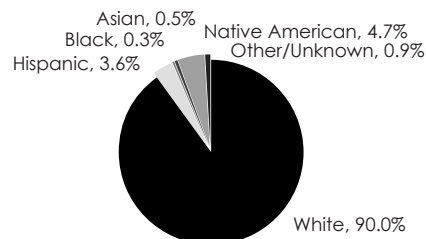
#### Age 1999



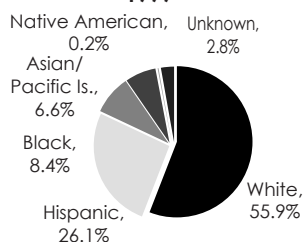
#### Age



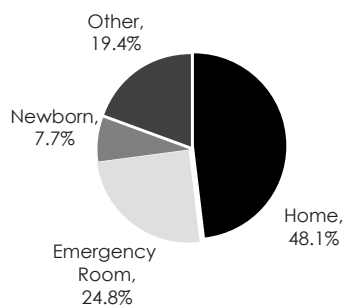
#### Race/Ethnicity



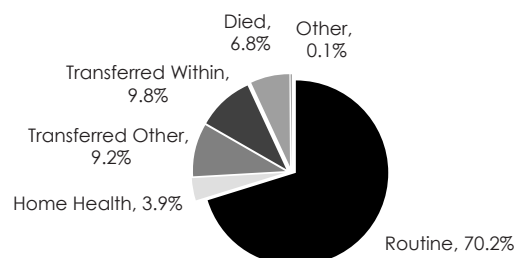
#### Race/Ethnicity 1999



#### Admitted From

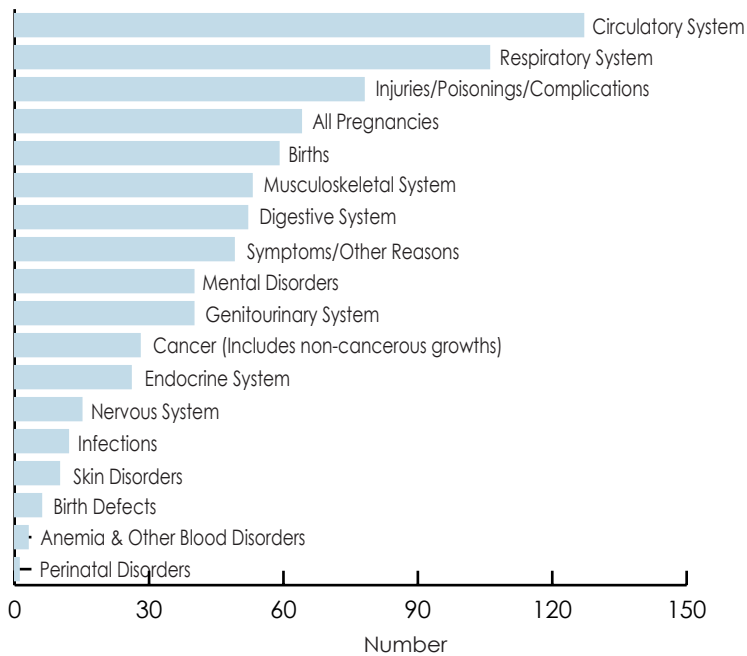


#### Discharged To

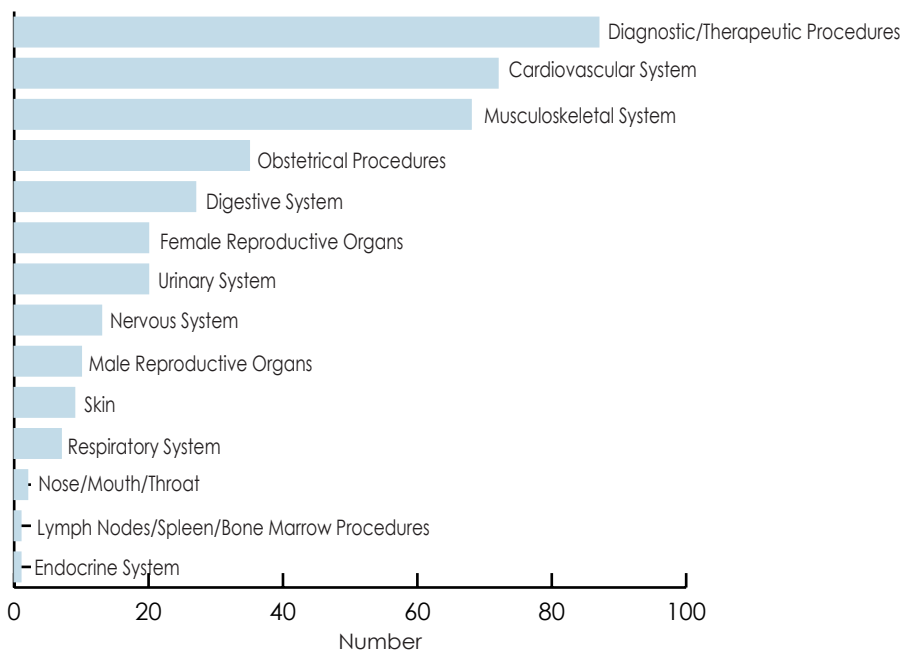


## CLINICAL OVERVIEW

### Types of Principal Diagnoses 1999



### Types of Principal Procedures 1999



- Pregnancies/births account for 16.0% of hospital discharges in Modoc County, and 28.3% of hospital discharges statewide.

- Circulatory and respiratory system disorders, and injuries/poisonings/complications account for the top three diagnostic categories of hospital discharges in Modoc County, excluding pregnancies and births.

- Obstetrical procedures account for 9.4% of inpatient principal procedures performed on Modoc County residents and 22.2% of inpatient principal procedures performed statewide.

- Principal procedures performed for cardiovascular, musculoskeletal, and digestive systems are the top three procedure categories for hospital discharges in Modoc County, excluding obstetrical and diagnostic/therapeutic procedures.

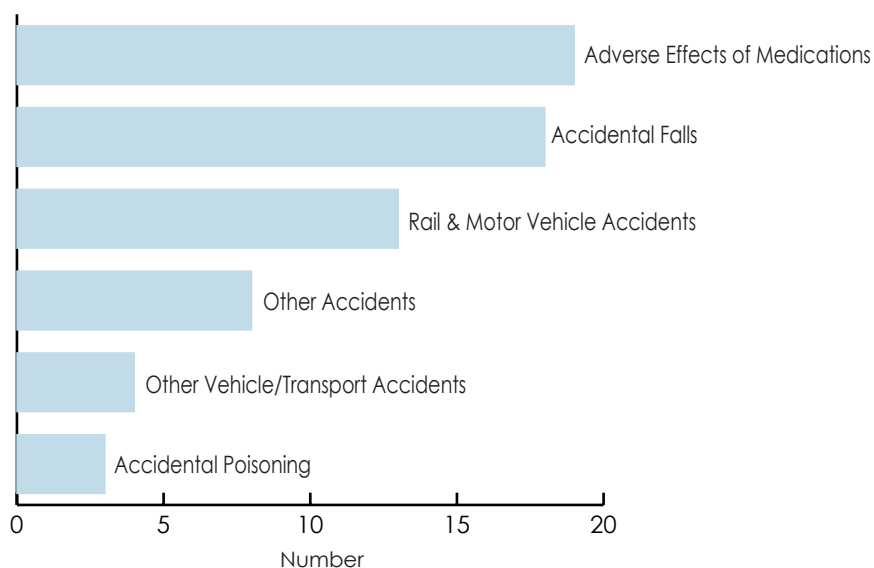
# Modoc County Hospitalization Characteristics

20

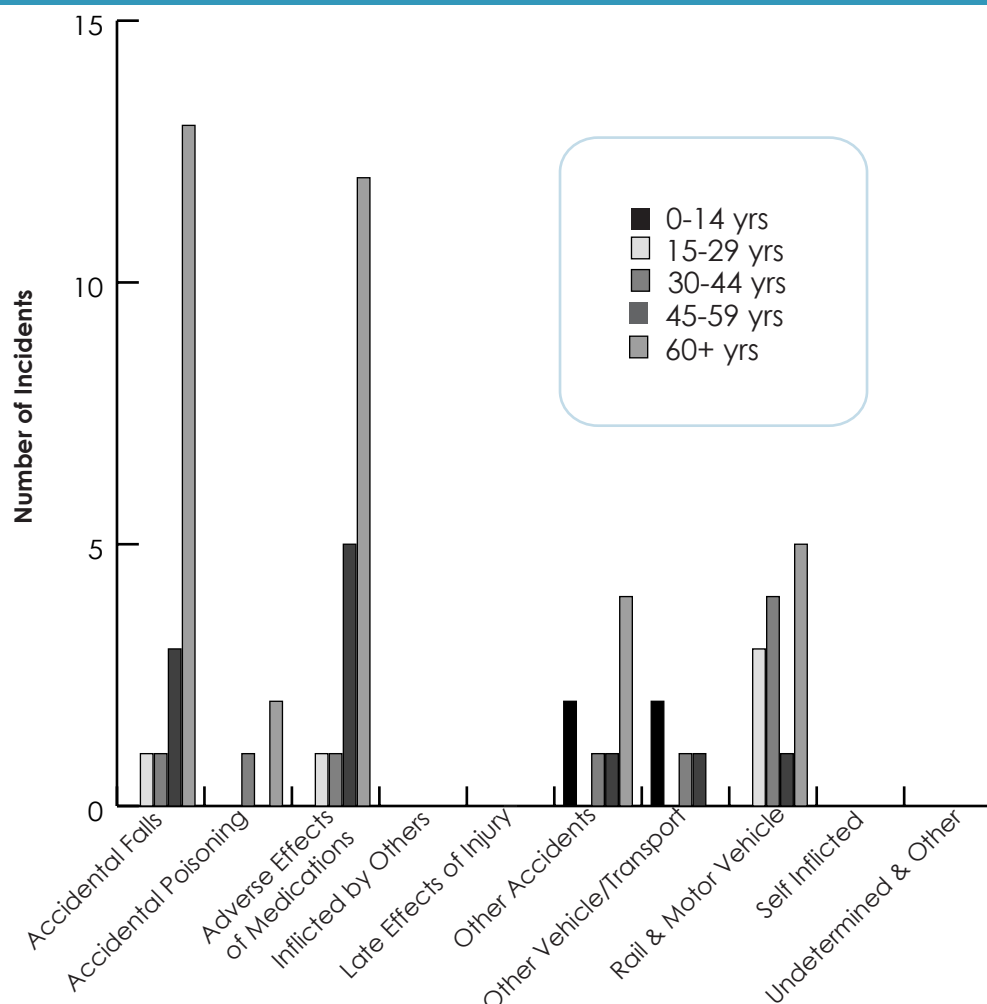


- Adverse effects of medications, accidental falls, and rail & motor vehicle accidents are the top three principal cause of injuries of Modoc County inpatients.

## Types of Injuries 1999



## Types of Injuries Age 1999



- In Modoc County, patients age 60 and over represent 72.2% of discharge records for accidental falls and 63.2% of discharge records for adverse effects of medications.



# S P E C I F I C T R E N D S

## **Selected Conditions**

Births & Deliveries

High-risk Deliveries

Asthma

Cancer

HIV

## **Selected Procedures**

Cardiac Bypass

Mastectomy

Prostatectomy

## **Selected Injuries**

Auto Injuries

Drug Poisonings

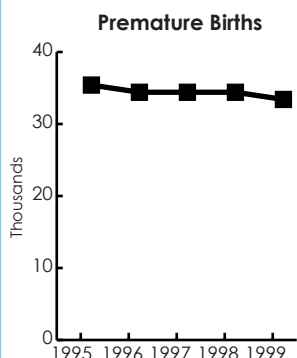
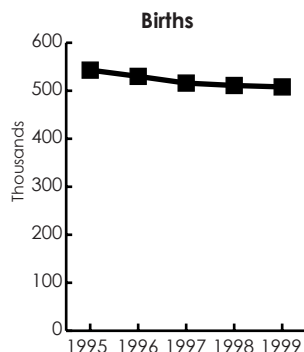
Gunshot Injuries

# Modoc County Specific Trends

22



## California



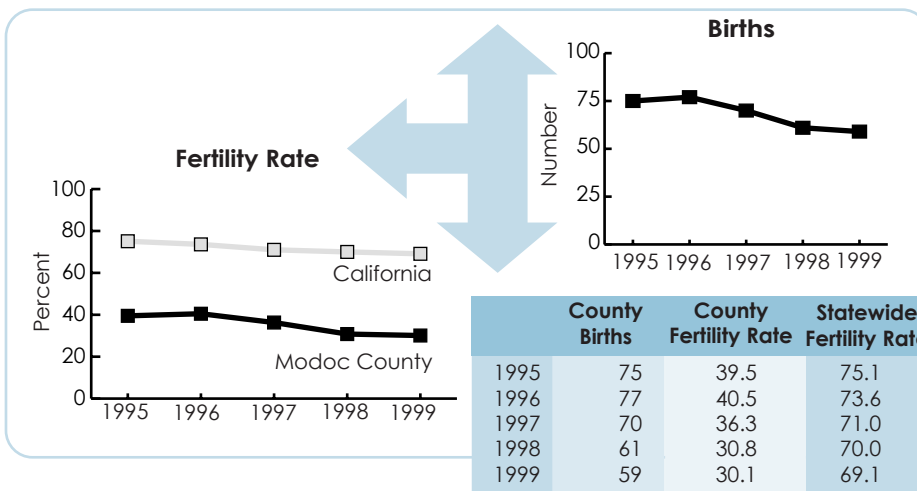
- Fertility rate is calculated by dividing the number of births by the population of females aged 15-44 years, and then dividing by 1,000.

- 26% of all births to California residents were premature.

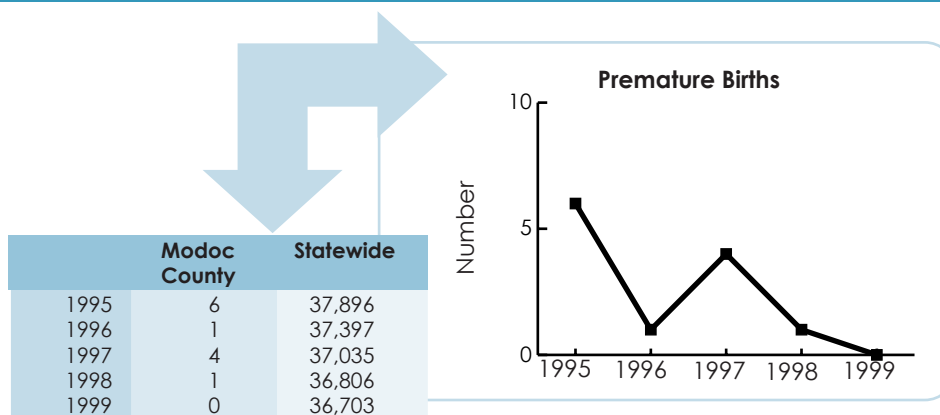
- Year 2010 National Health Objectives Goal: Cesarean section births to equal no more than 15.5% of total births.

## BIRTHS & DELIVERIES

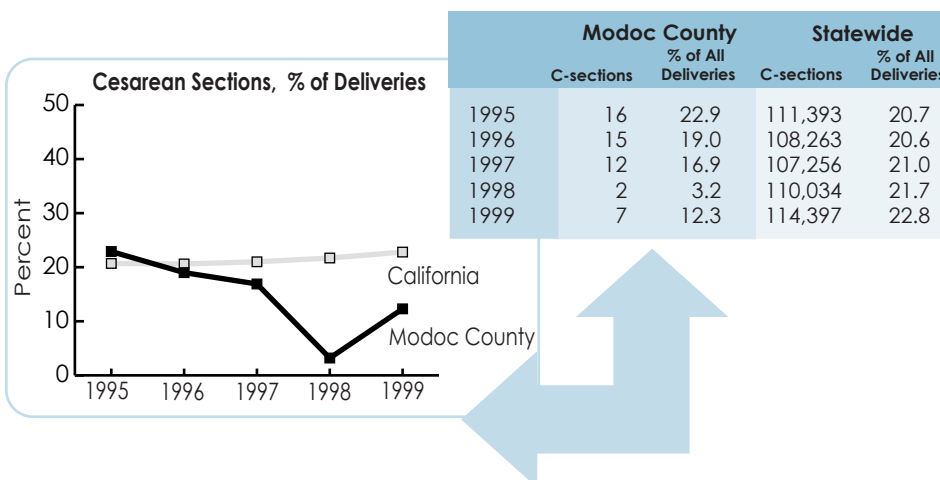
### County Trends



### Premature Births



### Cesarean Section Deliveries





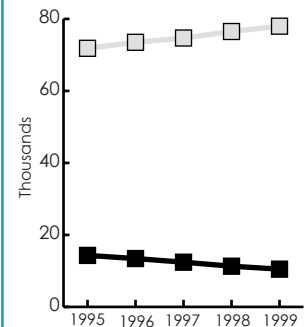
## County Trends



### California

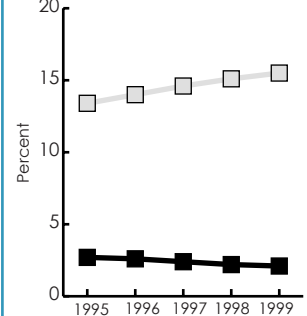
- Deliveries by females less than 16 years of age or greater than 35 years of age are considered "high risk."

#### High Risk Deliveries

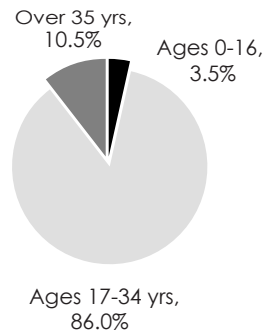


0-16 yrs  
 35+ yrs

#### High Risk Deliveries % of All Deliveries



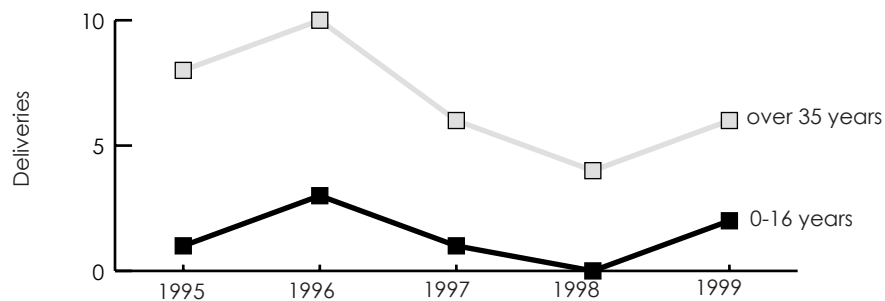
#### All Deliveries: Mother's Age at Delivery, 1999



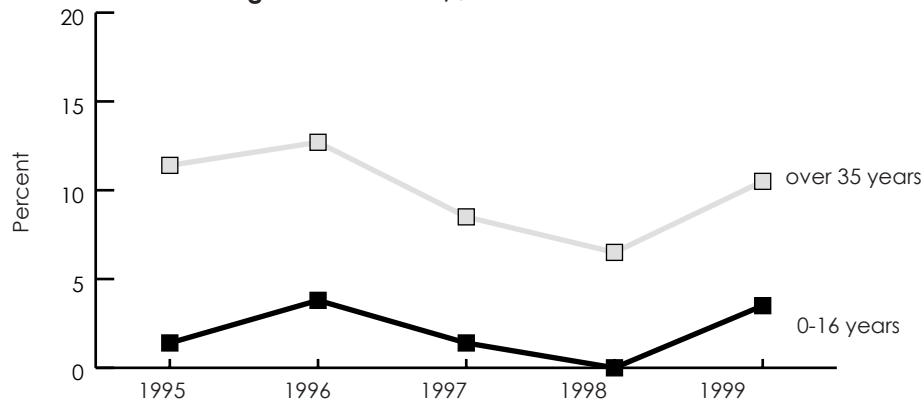
	0-16 yrs		17-34 yrs		Over 35 yrs	
	Number	% of all births	Number	% of all births	Number	% of all births
1995	1	1.4	61	87.1	8	11.4
1996	3	3.8	66	83.5	10	12.7
1997	1	1.4	64	90.1	6	8.5
1998	0	0	58	93.5	4	6.5
1999	2	3.5	49	86.0	6	10.5

## High-risk Deliveries

#### High-risk Deliveries



#### High-risk Deliveries, % of All Deliveries

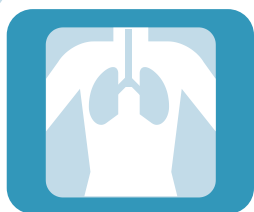


Sources: California Inpatient Discharge Data, OSHPD. Demographic data from CA Dept of Finance. Note that 1998 population figures are based on estimates.

Edition 2, 2001

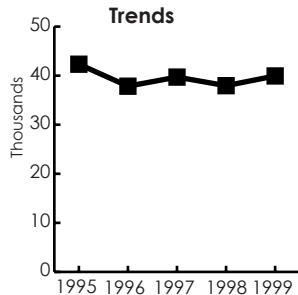
# Modoc County Specific Trends

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## California

### Asthma Hospitalizations Trends



### Age-adjusted Rate per 1,000 Pop.

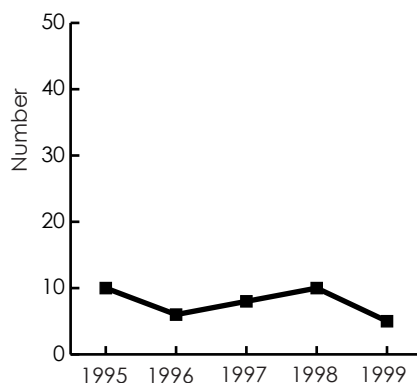
1995	1.30
1996	1.15
1997	1.18
1998	1.12
1999	1.16

## ASTHMA

(based on principal diagnosis)

### County Trends

#### Asthma Hospitalizations



### Hospitalizations Modoc County

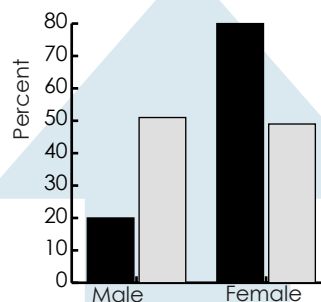
### Age-adjusted Rate per 1,000 Pop.

1995	10	1.07
1996	6	0.61
1997	8	0.79
1998	10	0.90
1999	5	0.44

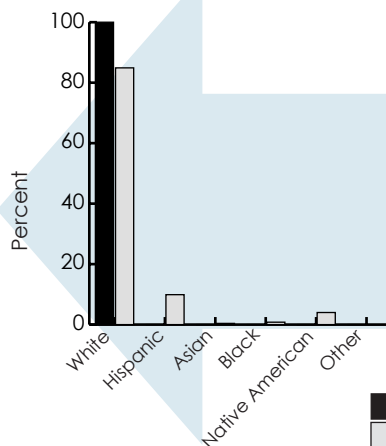
### Patients 1999

Percent of County Asthma Patients Compared to the Percent of Total County Population for Each Group

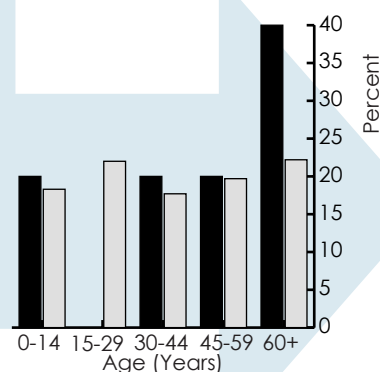
#### Gender



#### Race/Ethnicity



#### Age



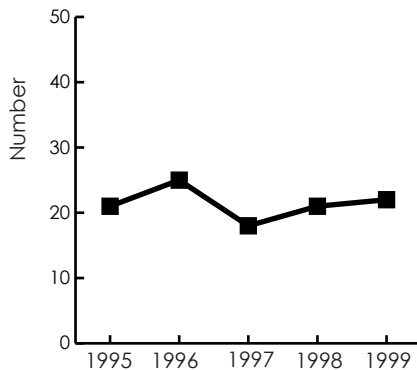
% of Asthma Patients  
 % of County Residents

## CANCER

(based on principal diagnosis)

### County Trends

#### Cancer Hospitalizations



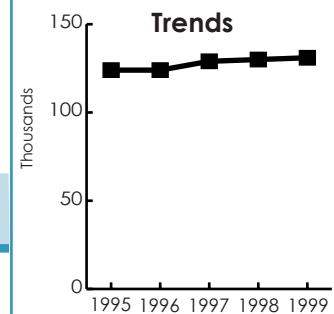
#### Hospitalizations Modoc County Age-adjusted Rate per 1,000 Pop.

Year	Hospitalizations	Age-adjusted Rate
1995	21	1.52
1996	25	1.97
1997	18	1.30
1998	21	1.58
1999	22	1.82



### California

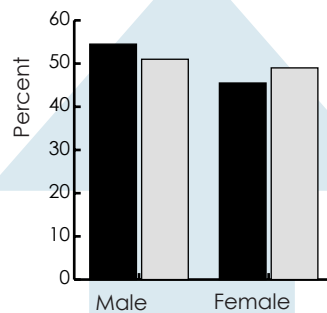
#### Cancer Hospitalizations Trends



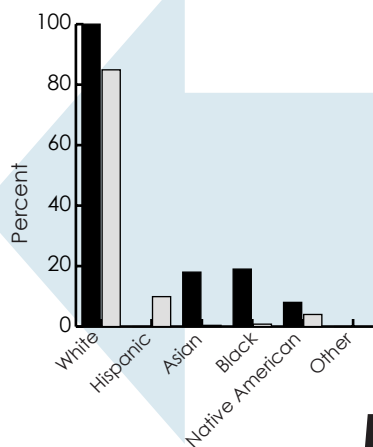
#### Age-adjusted Rate per 1,000 Pop.

Year	Age-adjusted Rate
1995	4.44
1996	4.36
1997	4.43
1998	4.37
1999	4.30

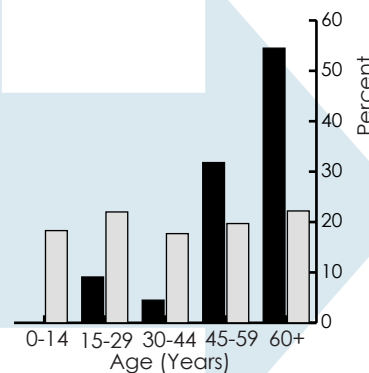
### Gender



### Race/Ethnicity



### Age



■ % of Cancer Patients  
□ % of County Residents

# Modoc County Specific Trends

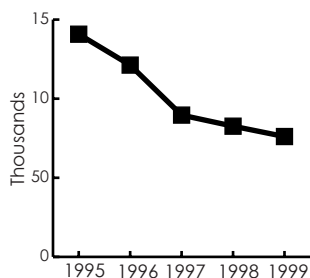
26



## California

### HIV Hospitalizations

#### Trends



#### Age-adjusted Rate per 1,000 Pop.

1995	0.43
1996	0.37
1997	0.27
1998	0.25
1999	0.22

## HIV

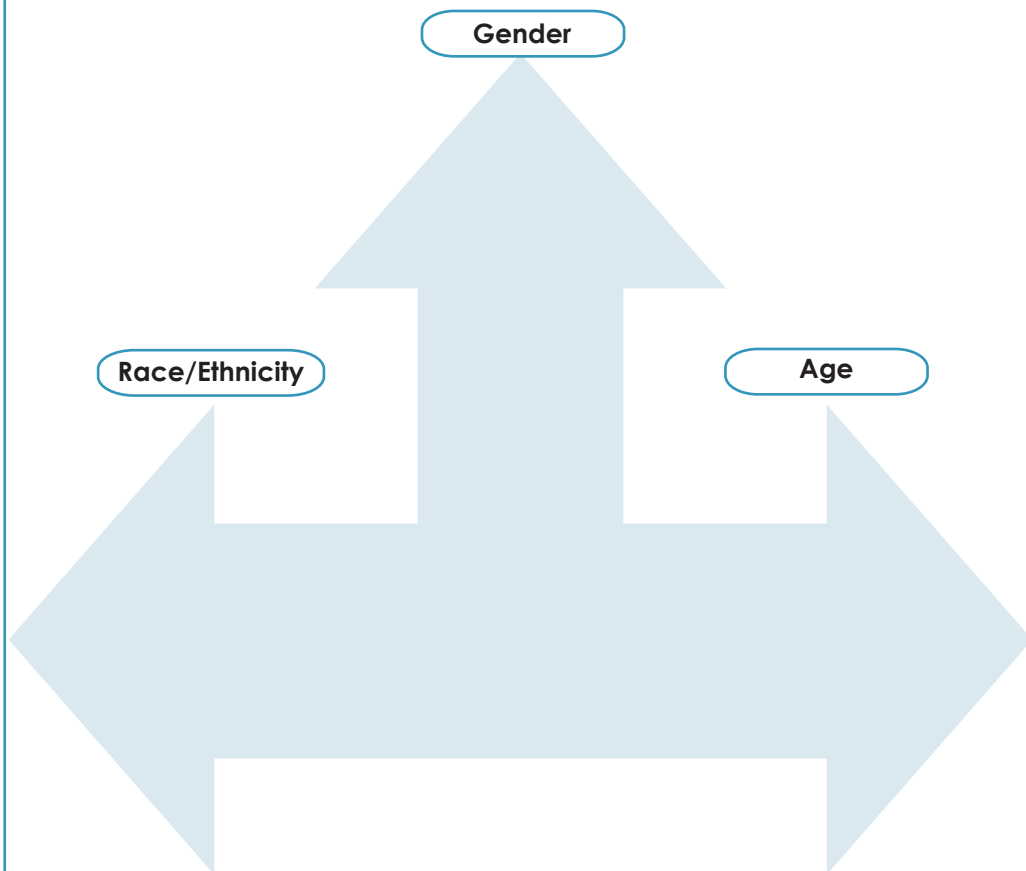
(based on principal diagnosis)

### County Trends

There have been no HIV hospitalizations in Modoc County between 1995 - 1999.

### Patients 1999

Percent of County HIV Patients Compared to the Percent of Total  
County Population for Each Group

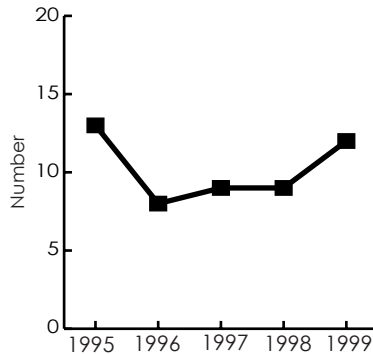


## CARDIAC BYPASS

(based on principal procedure)

### County Trends

#### Cardiac Bypass Hospitalizations



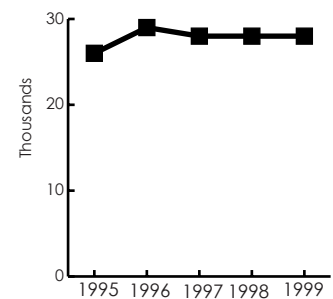
	Hospitalizations Modoc County	Age-adjusted Rate per 1,000 Pop.
1995	13	1.14
1996	8	0.69
1997	9	0.68
1998	9	0.70
1999	12	1.02



### California

#### Cardiac Bypass Hospitalizations

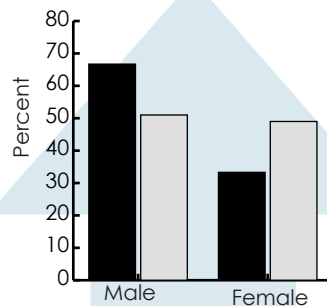
##### Trends



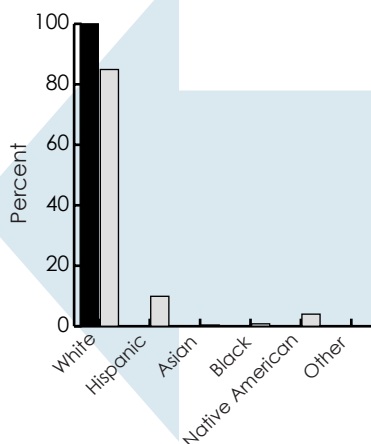
### Patients 1999

Percent of County Cardiac Bypass Patients Compared to the Percent of Total County Population for Each Group

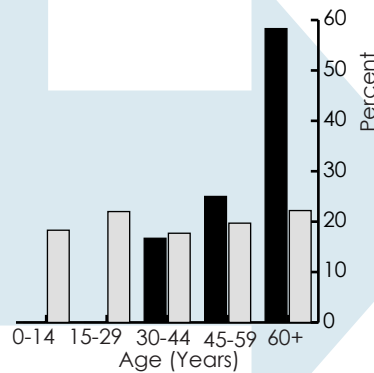
#### Gender



#### Race/Ethnicity



#### Age



% of Bypass Patients  
 % of County Residents

#### Statewide Age-adjusted Rate per 1,000 Pop.

1995	0.97
1996	1.03
1997	0.99
1998	0.96
1999	0.93

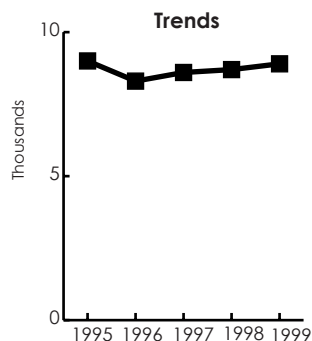
# Modoc County Specific Trends

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## California

### Mastectomy Hospitalizations



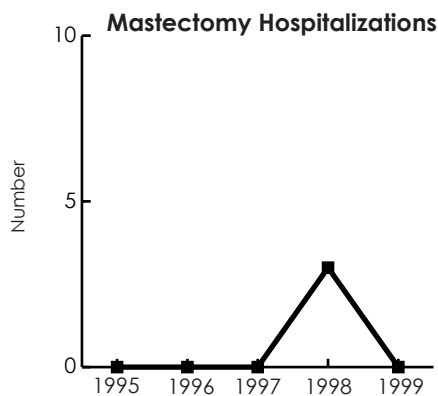
### Age-adjusted Rate per 1,000 Pop.

1995	0.32
1996	0.29
1997	0.29
1998	0.29
1999	0.29

## MASTECTOMY

(based on principal procedure)

### County Trends



### Hospitalizations Modoc County

### Age-adjusted Rate per 1,000 Pop.

1995	0	0.00
1996	0	0.00
1997	0	0.00
1998	3	0.27
1999	0	0.00

### Patients 1999

Race/Ethnicity

Age

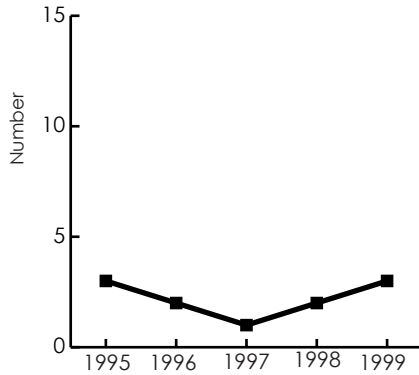
There were no reported mastectomy hospitalizations in Modoc County during 1999.

## PROSTATECTOMY

(based on principal procedure)

### County Trends

#### Prostatectomy Hospitalizations



	Hospitalizations Modoc County	Age-adjusted Rate per 1,000 Pop.
1995	3	0.24
1996	2	0.20
1997	1	0.10
1998	2	0.18
1999	3	0.29

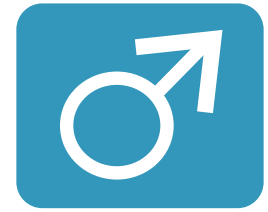
### Patients 1999

Percent of County Prostatectomy Patients Compared to the Percent of Total County Population for Each Group

Race/Ethnicity

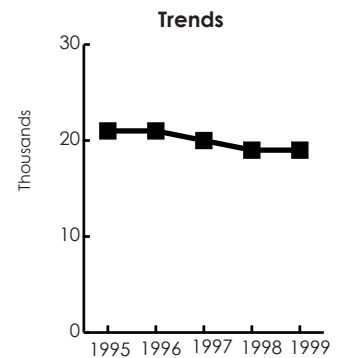
Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.



### California

#### Prostatectomy Hospitalizations



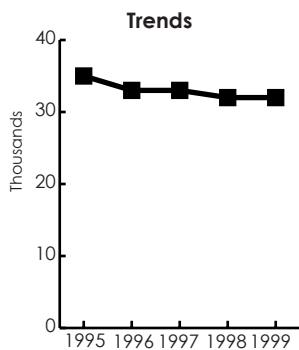
#### Age-adjusted Rate per 1,000 Pop.

1995	0.79
1996	0.75
1997	0.72
1998	0.67
1999	0.65



## California

### Auto Injury Hospitalizations Trends



### Age-adjusted Rate per 1,000 Pop.

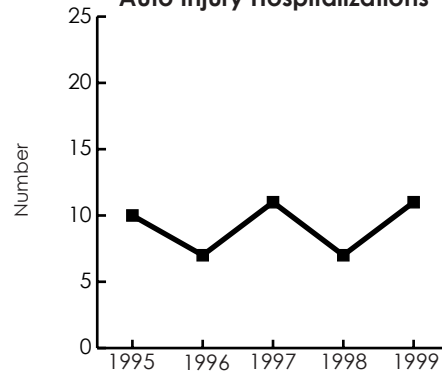
1995	1.08
1996	1.04
1997	1.01
1998	0.98
1999	0.97

## AUTO INJURY

(based on first event causing hospitalization)

### County Trends

#### Auto Injury Hospitalizations



### Hospitalizations Modoc County

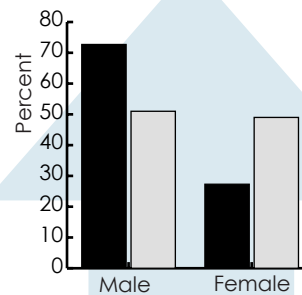
### Age-adjusted Rate per 1,000 Pop.

1995	10	1.06
1996	7	0.61
1997	11	1.11
1998	7	0.66
1999	11	1.02

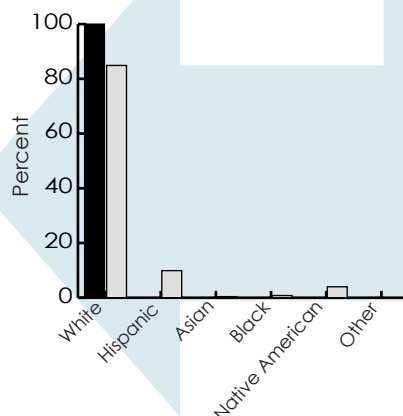
### Patients 1999

Percent of County Auto Injury Patients Compared to the Percent of Total County Population for Each Group

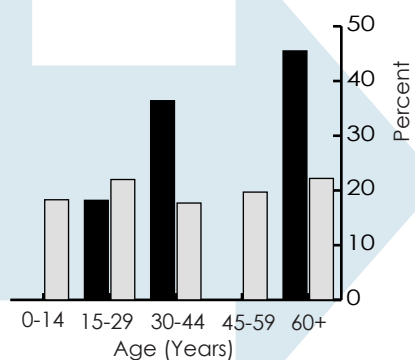
#### Gender



#### Race/Ethnicity



#### Age



■ % of Auto Accident Patients  
□ % of County Residents

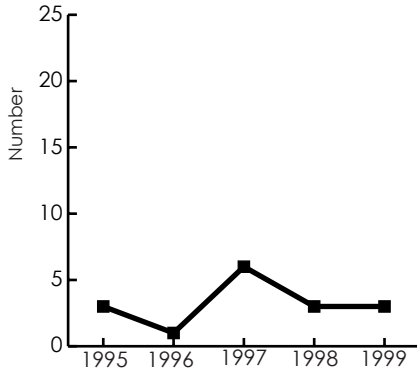


## DRUG POISONING

(based on first event causing hospitalization)

### County Trends

#### Drug Poisoning Hospitalizations

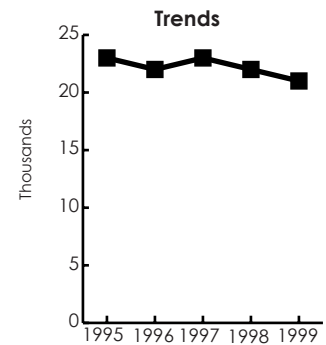


	Hospitalizations Modoc County	Age-adjusted Rate per 1,000 Pop.
1995	3	0.33
1996	1	0.10
1997	6	0.57
1998	3	0.31
1999	3	0.24



### California

#### Drug Poisoning Hospitalizations



### Patients 1999

Percent of County Drug Poisoning Patients Compared to the Percent of Total County Population for Each Group

#### Gender

#### Race/Ethnicity

#### Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.

#### Age-adjusted Rate per 1,000 Pop.

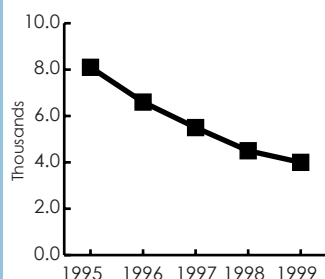
1995	0.72
1996	0.71
1997	0.70
1998	0.66
1999	0.64



## California

### Gunshot Injury Hospitalizations

#### Trends



#### Age-adjusted Rate per 1,000 Pop.

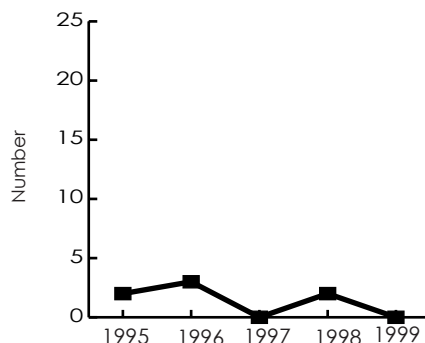
1995	0.24
1996	0.20
1997	0.16
1998	0.13
1999	0.12

## GUNSHOT INJURIES

(based on first event causing hospitalization)

### County Trends

#### Gunshot Injury Hospitalizations



#### Hospitalizations Modoc County

#### Age-adjusted Rate per 1,000 Pop.

1995	2	0.22
1996	3	0.33
1997	0	0.00
1998	2	0.17
1999	0	0.00

### Patients 1999

Percent of County Gunshot Injury Patients Compared to the Percent of Total County Population for Each Group

#### Gender

#### Race/Ethnicity

#### Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.



For more information please contact...

## **Healthcare Quality and Analysis Division**

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Sacramento, CA 95814

**(916)322-2814**

**[hirc@oshpd.state.ca.us](mailto:hirc@oshpd.state.ca.us)**

**[www.oshpd.state.ca.us](http://www.oshpd.state.ca.us)**